**Slope Assignment Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Do Now**

Circle Yes for linear or No for not linear

1. Yes or No 2. Yes or No 3.Yes or No 4.Yes or No 5.Yes or No

Write the learning objectives for the lesson on slope.

1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



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3. Draw a line with positive slope on the graph.



4. Draw a line with negative slope on the graph.



5. Draw a line with zero slope on the graph.



6. Draw a line with undefined slope on the graph.

7. Rise and Run are used to find what\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?

8. A line that goes **up** from left to right has what kind of slope\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?

9. A line that goes **down** from left to right has what kind of slope\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?

10. A line that is flat or **horizontal** has what kind of slope\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?

11. A line that is straight up and down or **vertical** has what kind of slope\_\_\_\_\_\_\_\_\_\_\_\_?

12. If a line has a slope of what is the rise\_\_\_\_\_\_\_\_\_\_?

13. If a line has a slope of what is the run\_\_\_\_\_\_\_\_\_\_\_\_?

14. Write the formula for finding slope when you have two points. m = \_\_\_\_\_\_\_\_\_\_\_\_\_?

15. Is y2 - y1 the rise or the run of slope\_\_\_\_\_\_\_\_\_\_\_\_?

16. Is x2 - x1 the rise or the run of slope\_\_\_\_\_\_\_\_\_\_\_?

17. Draw a picture of the house that slope built.

**From the Slope Video**

18. In the slope video what did I tell you to stop doing on your desk?\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19. In the slope video what were the two points used to find slope.\_\_\_\_\_\_\_\_, &\_\_\_\_\_\_\_\_

20. From the slope video, in the example, y2-y1 = what number\_\_\_\_\_\_\_\_\_\_?

21. From the slope video, in the example, x2-x1= what number\_\_\_\_\_\_\_\_\_\_\_?

22. From the slope video the slope =\_\_\_\_\_\_\_\_\_\_\_\_\_?

**From the Slope PowerPoint**

23. From Example 1 Show the work for finding the slope of a line containing the points

(3,-2) and (9,2)

24. From Example 1 Graph the line containing the points (3,-2) and (9,2) and show the dotted line to show rise and run between the points

**Practice**

**Find the slope of the line that passes through the two points. Graph the line. Show your work. Remember that: m = **

25. (1,2) , (5,6) 26. (3,6) , (6,8) 27. (-3, -4), (2, -3)

Work Work Work



m= m= m=

28. (-3,5) , (2,2) 29. (-4,2) , (-4,3) 30. (6,10) , (10,6)

Work Work Work



m= m= m=

31. (-6,5) , (-3,5) 32. (-2,-4) , (3,-12) 33. (3,4) , (7,7)

Work Work Work



m= m= m=

34. (4,5) , (100,5) 35. (-5,-5) , (0,1) 36. (3,1) , (6,-6)

Work Work Work



m= m= m=

Quiz.

At the end of the web page take the quiz. Record your five answers below.

1.\_\_\_\_\_\_\_\_

2.\_\_\_\_\_\_\_\_

3.\_\_\_\_\_\_\_\_

4.\_\_\_\_\_\_\_\_

5.\_\_\_\_\_\_\_\_